

Title (en)

Method of preparing a bromide- and chloride-containing liquid

Title (de)

Verfahren zur Herstellung einer bromid- und chloridhaltigen Flüssigkeit

Title (fr)

Procédé de préparation de liquide contenant du bromure et de chlorure

Publication

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Application

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Abstract (en)

[origin: WO2005112649A1] The invention includes convenient methods of preparing: (1) highly concentrated liquid bromine-containing biocidal solutions, (2) highly concentrated mixed halogen liquid bromine and chlorine-containing biocidal solutions, and (3) high-activity bromine containing biocidal solids, all having excellent physical and chemical stability. One method yields solutions that have concentrations of bromine in excess of 18% as Br₂ (8% as C12) in which the mole ratio of hydroxide ion to hydrogen ion source is at least 1.9: 1. Another method employs elemental bromine in conjunction with a solid organic or inorganic halogenating agent to yield halogen solutions at concentrations greater than 22.9% as Br₂ (10.2% as C12). This method can be performed under conditions that exceed the solubility of the active ingredient such that it crystallizes and is recovered as a hydrated or anhydrous salt in good yield.

IPC 8 full level

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